

F H V A	STATE	FED. AID	SHEET	TOTAL
REGION NO.		PRJ. NO.	NO.	SHEETS
3	MD			

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 97 (GEORGIA AVENUE) AND MD 185 (CONNECTICUT AVENUE) IN MONTGOMERY COUNTY. MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE, WITH THE MD 97 APPROACHES OPERATING CONCURRENTLY AND THE MD 185 APPROACHES OPERATING AS SPLIT PHASED.

EXCLUSIVE-PERMISSIVE LEFT TURN PHASES ARE PROVIDED FOR NORTHBOUND AND SOUTHBOUND MD 97.

AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ACROSS THE SOUTH LEG OF MD 97.

THE MODIFICATION WILL CONSIST OF THE INSTALLATION OF AN ALTERNATE PEDESTRIAN PHASE ACROSS THE NORTH LEG OF MD 97 AND CONCURRENT PEDESTRIAN PHASES ACROSS THE EAST AND WEST LEGS OF MD 185.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

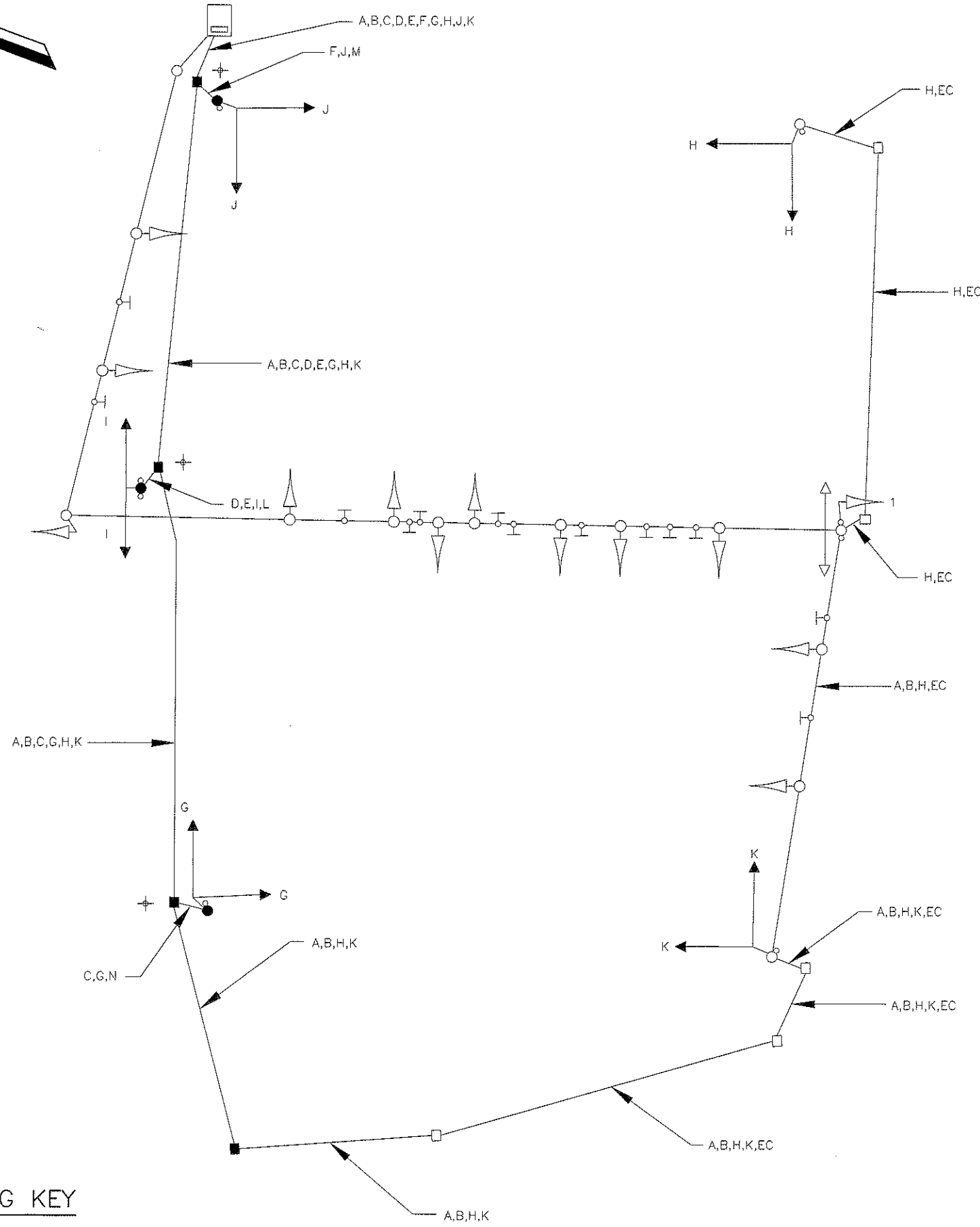
ITEM NO.	QUANTITY	DESCRIPTION
9029	4 EACH	12 IN., TWO-WAY, TWO-SECTION (DONT WALK-WALK) PEDESTRIAN SIGNAL HEAD WITH CUT AWAY VISORS - PEDESTAL MOUNT
----	1 EACH	12 IN., TWO-WAY, TWO-SECTION (DONT WALK-WALK) PEDESTRIAN SIGNAL HEAD WITH CUT AWAY VISORS - POLE MOUNT
9096	8 EACH	PUSHBUTTON AND R10-4AA SIGN -4 EACH - PUSH BUTTON TO CROSS "GEORGIA AVE." -2 EACH - PUSH BUTTON TO CROSS "GEORGIA AVE./LT. ARROW" -2 EACH - PUSH BUTTON TO CROSS "GEORGIA AVE./RT. ARROW"

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	3 C.Y.	TEST PIT EXCAVATION
2003	7 C.Y.	CLASS 1-A EXCAVATION
5003	600 L.F.	12 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5004	60 L.F.	24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
5013	60 L.F.	REMOVE EXISTING PAVEMENT MARKINGS
6001	250 S.F.	4 IN. CONCRETE SIDEWALK
8001	3 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8003	3 EACH	FURNISH AND INSTALL BREAKAWAY PEDESTAL POLE
8011	10 EACH	INSTALL SIGNAL HEAD
8018	8 EACH	INSTALL PUSHBUTTON AND SIGN
8024	25 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8030	70 L.F.	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8031	200 L.F.	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8033	4 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8034	3 EACH	FURNISH AND INSTALL GROUND ROD- 3/4 IN. DIAMETER X 10 FT. LENGTH
8042	1500 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)
8044	1460 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE- 5 CONDUCTOR (NO. 14 A.W.G.)
8049	30 L.F.	FURNISH AND INSTALL STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

WIRING DIAGRAM



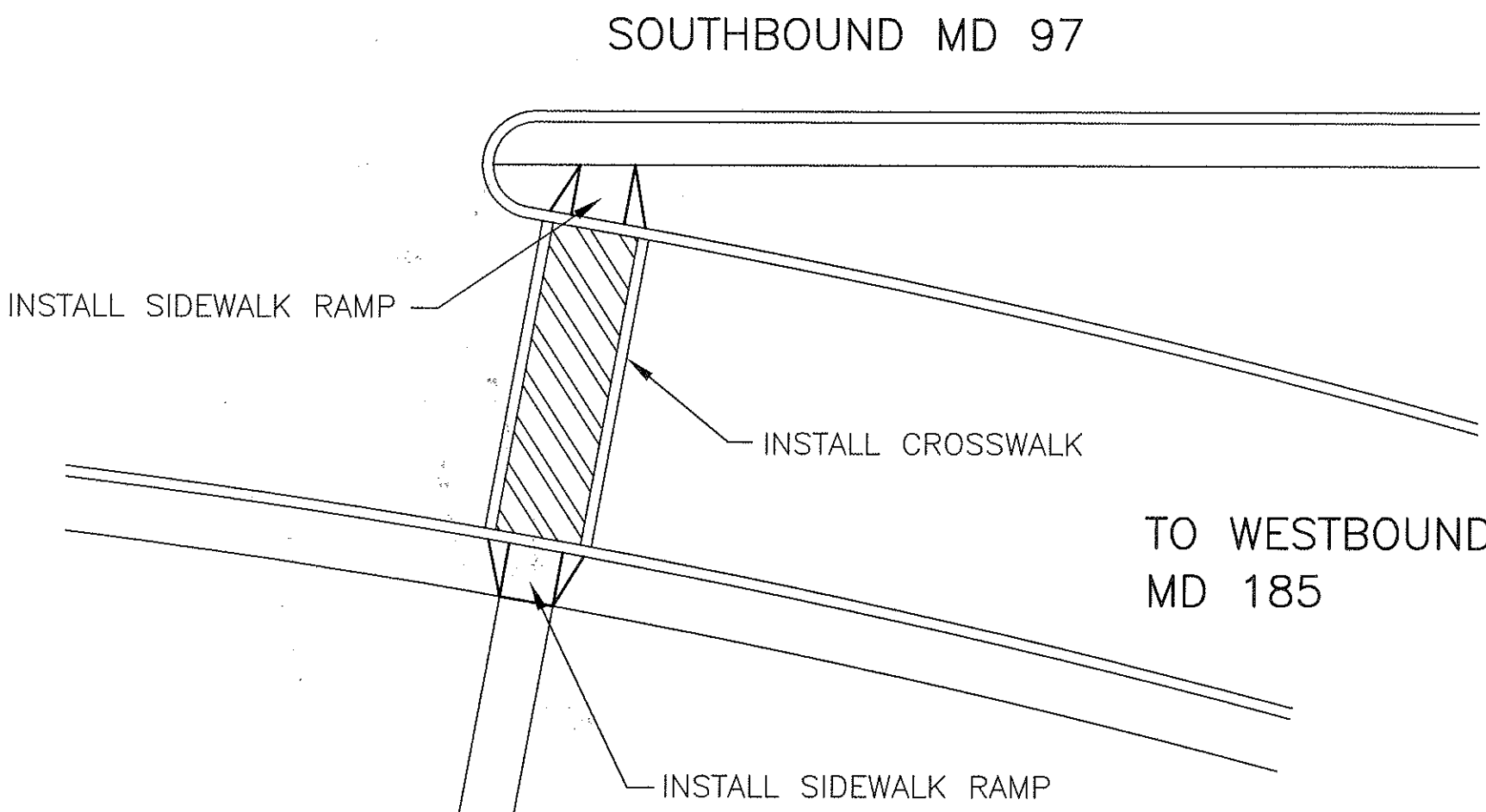
WIRING KEY

- 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- 3/4 IN. X 10 FT. GROUND ROD

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
PHASE 1 + 5	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
1 + 5 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 1 + 6	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
1 + 6 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 2 + 5	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2 + 5 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 2 + 6	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PED. CLEAR	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2 + 6 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 3	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 3 ALT.	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PED. CLEAR	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3 ALT. CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 4	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 4 ALT.	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PED. CLEAR	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4 ALT. CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y

SIDEWALK RAMP AND CROSSWALK INSTALLATION SKETCH



TRAFFIC CONCEPTS, INC.

Brightview Business Center
8258 Veterans Highway
Suite 19B
Millersville, MD 21108
(410) 987-0427

REVISIONS

APPROVALS

REVISIONS



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET
MD 97 (GEORGIA AVENUE) AND MD 185 (CONNECTICUT AVENUE)

DATE: 11-26-97	DRAWN BY: T. ZAYDEL	F.A.P. NO.	PLAN	SHEET NO.:	SHEET NO.
SCALE: NONE	DESIGNED BY: T. ZAYDEL	S.H.A. NO. Awa77A56/B56	TS-31F GI	2	OF 2
APPROVED BY:	CHECKED BY: K. SCHMID	COUNTY MONTGOMERY			